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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/612,604	07/01/2003	Wei Huang	011068-014-999	4803	
²⁰⁵⁸³ JONES DAY	7590 09/07/200		EXAM	INER	
	222 EAST 41ST ST NEW YORK, NY 10017			CHEN, STACY BROWN	
· ·	141 10017		ART UNIT	PAPER NUMBER	
			1648		
	·	•			
			MAIL DATE	DELIVERY MODE	
•			09/07/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)				
Office Action Summary		10/612,604	HUANG ET AL.				
		Examiner	Art Unit				
		Stacy B. Chen	1648				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDON	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 28 Ju	ine 2007.					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
4)⊠	4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)[🛛	5)⊠ Claim(s) <u>5-9 and 12</u> is/are allowed.						
6)⊠	☑ Claim(s) <u>1-4,10 and 15-19</u> is/are rejected.						
7)🖂	⊠ Claim(s) <u>11,13 and 14</u> is/are objected to.						
8)[8) Claim(s) are subject to restriction and/or election requirement.						
Applicati	on Papers						
9)	The specification is objected to by the Examine	r.					
	The drawing(s) filed on is/are: a) acce		Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
/.	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen		л П	(DTO 440)				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					
3) 🔲 Infor	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal F 6) Other:					

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 28, 2007 has been entered. Claims 1-19 remain pending and under examination.

- 2. The following rejections are withdrawn:
 - The rejection of claims 11 and 12 under 35 U.S.C. 102(b) as being anticipated by Nijhuis *et al.* (*Current Opinion in Infectious Diseases*, 2001, 14:23-28, "Nijhuis") is withdrawn in view of Applicant's amendment. The claims do not recite the particular embodiment disclosed by Nijhuis, specifically, the mutations at positions 103 and 236. Therefore, the rejection no longer applies.
 - The rejection of claims 1-10 and 13-19 under 35 U.S.C. 103(a) as being unpatentable over Nijhuis in view of Whitcomb (WO 99/61658) is withdrawn. Although Whitcomb discloses other mutations recited in the claims, there is no reasonable expectation of success that those mutations are predictive of viral fitness (replicative capacity).

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Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-4, 10 and 15-19 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. This is a new matter rejection. Claim 1 (and dependent claims 2-4, 10 and 15-19) recite, "amino acid positions 98, 100, 101, 106, 108, 179, 181, 188, 190, 225, 226 or 236" [emphasis added]. The specification does not disclose an amino acid mutation at position 226.

Claim Objections

- 4. The claims are objected to for minor informalities:
 - Claims 1-4, 10, 11 and 13-19 recite typographical errors, "the presence or absence <u>or</u> a mutation associated with impaired replication capacity at amino acid positions"...

 "<u>or</u> the amino acid sequence of said reverse transcriptase" [emphasis added].
 - Claim 7 recites, "The method of claim 5, wherein mutation confers resistance". Prior to the January 13, 2006 amendment, the claim read, "The method of claim 5, wherein said mutation confers resistance" [emphasis added]. If Applicant wishes to delete "said", the claim should be appropriated indicated as amended according to 37 CFR 1.121.

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Claim 12 has an incomplete set of parentheses around the term "HIV-1".

Conclusion

5. Claims 5-9 and 12 are allowable. All claims are free of the prior art of record.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stacy B. Chen whose telephone number is 571-272-0896. The examiner can normally be reached on M-F (7:00-4:30). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campell can be reached on 571-272-0974. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.